

Peak District National Park

Forecast valid from 06:00 on Tuesday 27 Jul 2021 until 23:59 on Wednesday 28 Jul 2021

Forecast Issued on Tuesday 27 Jul 2021 at 03:19

Confidence: High for showery and changeable theme. Low for location of individual thunderstorms this week.

Headline for Tuesday 27 Jul 2021: A mostly fine start. Heavy, thundery showers later.

Mountain weather hazards on Tuesday 27 Jul 2021

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

High Likelihood

Heavy Snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

Medium Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

Medium Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Heavy rain showers	Thunderstorm	Thunderstorm	Thunderstorm	Heavy rain showers
Precipitation probability					
10%	30%	40%	60%	40%	30%

Forecast for Tuesday 27 Jul 2021

Weather: Mainly dry and cloudy to start with isolated showers. Sunny spells and slow-moving heavy thundery showers developing by late morning, these becoming more widespread during the afternoon, with localised downpours and hail possible. Showers should begin to ease into the early evening, with a few lingering showers towards dusk.

Chance of cloud free mountain/hill tops above 600m: Greater than 95% through the morning. 90% into the afternoon perhaps some patches of low cloud to around 500-600m in any prolonged, heavy showers/thunderstorms. 70% by the late evening with occasional patches of cloud with bases 500-600m.

Visibility: Mostly good or very good with clear view of distant hills. Becoming poor near or during showers with nearby landmarks difficult to discern.

Forecast for Tuesday 27 Jul 2021

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/10 W	6/9 W	5/7 W	7/10 SW	7/11 SW	8/12 W	11/15 W
300	5/6 SW	4/6 W	3/6 NW	6/10 SW	5/7 W	6/10 SW	7/11 W
Valley	2/4 SW	3/6 W	2/5 SW	5/9 SW	4/7 W	5/10 W	6/11 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/11	13/12	14/14	15/14	14/13	13/11	12/10
300	13/13	15/15	17/17	17/16	16/16	15/15	14/13
Valley	14/15	16/17	18/18	18/18	17/17	16/16	15/14
Freezing Level*	2600m	2700m	2700m	2700m	2800m	2700m	2700m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Heavy, thundery showers pose a significant safety risk, especially this afternoon. Prolonged downpours could lead to unstable footing on slopes and fast-responding water-courses. Sun protection is also recommend, with some strong sunlight likely outside of showers.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Tue 27 Jul 2021	1mm	11mm	20.8mm

Forecast for Wednesday 28 Jul 2021

Weather: Bright or sunny spells and isolated showers through the morning after a rather cloudy start. Frequent, perhaps thundery showers developing by the afternoon. A fresher feeling day and noticeably breezier.

Maximum wind: Westerly 20-25 mph gusting 30-35 mph.

Chance of cloud free mountain/hill tops above 600m: 70% becoming 30% overnight. Increasing to greater than 95% by mid-late morning. 90% by the afternoon perhaps some patches of low cloud to around 500-600m in any prolonged, heavy showers/thunderstorms.

Visibility: Poor initially in heavy rain and low cloud. Becoming very good with brief spells of moderate or poor around showers.

Temperature: **Valleys:** Plus 14 Celsius becoming Plus 19 Celsius
At 600m: Plus 7 Celsius becoming Plus 13 Celsius
Freezing level: Above summits.